

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
NARUM ET AL.)
Serial No.)
Filed: **Concurrently Herewith**)
For: **ANTI-PLASMODIUM COMPOSITIONS**)
AND METHODS OF USE)

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
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Sir:

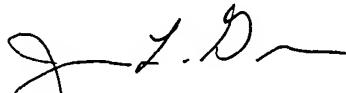
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Pursuant to 37 C.F.R. §1.98(d), inasmuch as this application relies on prior application Serial No. 09/924,154 filed August 7, 2001 for an earlier filing date under 35 U.S.C. § 120, no copy of any patent, publication or other information previously cited by or submitted to the Office in such prior application is being provided herewith.

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Respectfully submitted,



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Our Docket: 05213-0468

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Substitute for Form 1449/A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	
		Filing Date	Concurrently Herewith
		First Named Inventor	David L. Narum
		Group Art Unit	
		Examiner Name	
Sheet	1	of	3
		Attorney Docket Number	05213-0468

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

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¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

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			First Name & Inventor	David L. Narum
			Group Art Unit	
Examiner Name				
Sheet 2	of 3	Attorney Docket Number	05213-0468	
OTHER INFORMATION - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published		
	5	ADAMS, J. H., HUDSON, D. E., TORII, M., WARD, G. E., WELLEMS, T. E., AIKAWA, M., MILLER, L. H. "The Duffy receptor family of Plasmodium knowlesi is located within the merozoites of invasive malaria merozoites." Cell. 63: 141-153. (1990)		
	6	ADAMS, J. H., SIM, B. K. L., DOLAN, S. A., FANG, X., KASLOW, D. C., MILLER, L. H. "A family of erythrocyte binding proteins of malaria parasites." Proc. Natl. Acad. Sci. 89: 7085-7089 (1992).		
	7	CHITNIS, C. E., MILLER, L. H. Identification of the erythrocyte binding domains of Plasmodium vivax and Plasmodium knowlesi proteins involved in erythrocyte invasion. J Exp Med 1994 Aug 1; 180(2) :497-506.		
	8	CAMUS, D., AND T. J. HADLEY. A Plasmodium falciparum antigen that binds to host erythrocytes and merozoites. Science. 1985; 230, no. 4725:553.		
	9	DEANS, J. A., AND W. C. JEANS. 1987. Structural studies on a putative protective Plasmodium knowlesi merozoite antigen. Molecular Biochemical Parasitology. 26:155-166.		
	10	DOLAN, S. A., J. L. PROCTOR, D. W. ALLING, Y. OKUBO, T. E. WELLEMS, AND L. H. MILLER. 1994. Glycophorin B as an EBA-175 independent Plasmodium falciparum receptor of human erythrocytes. Mol Biochem Parasitol. 64:55-63.		
	11	FANG, X., KASLOW, D. C., ADAMS, J. H., MILLER, L. H. "Cloning of the Plasmodium vivax Duffy receptor." Mol. Biochem. Parasitol. 44: 125-132 (1991).		
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	13	HARTIKKA, J., SAWDEY, M., CORNEFERT-JENSEN, F., MARGALITH, M., BARNHART, K., NOLASCO, M., VAHLSING, H. L., MEEK, J., MARQUET, M., HOBART, P., NORMAN, J., AND MANTHORPE, M. 1996. An improved plasmid DNA expression vector for direct injection into skeletal muscle. Hum Gene Ther. 7:1205-17.		
	14	HORUK, R., CHITNIS, C. E., DARBOONE, W. C., COLBY, T. J., RYBICKI, A., HADLEY, T. J., AND MILLER, L. H., 1993. A receptor for the malarial parasite Plasmodium vivax: the erythrocyte chemokine receptor. Science. 261:1182-4.		
	15	LIANG, H., NARUM, D. L., FUHRMANN, S. R., LUU, T., SIM, B. K., 2000. A recombinant baculovirus-expressed Plasmodium falciparum receptor-binding domain of erythrocyte binding protein EBA-175 biologically mimics native protein. Infect Immun Jun; 68(6) :3564-8.		

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OTHER INFORMATION - NON PATENT LITERATURE DOCUMENTS				

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published		T ²
	16	MILLER, L. H., MASON, S. J., DVORAK, J. A., MCGINNIS, M. H., ROTHMAN, I. K., Erythrocyte receptors for (<i>Plasmodium knowlesi</i>) malaria: Duffy blood group determinants. <i>Science</i> 1975 Aug 15; 189-(4202) :561-3.		
	17	NARUM, D. L., AND THOMAS, A. W. 1994. Differential localization of full-length and processed forms of PF83/AMA-1 an apical membrane antigen of <i>Plasmodium falciparum</i> merozoites. <i>Mol Biochem Parasitol.</i> 67:59-68.		
	18	NARUM, D. L., HAYNES, J. D., FUHRMANN, S., MOCH, K., LIANG, H., HOFFMAN, S. L., AND SIM, B. K. 2000. Antibodies against the <i>plasmodium falciparum</i> receptor binding domain of EBA-175 block invasion pathways that do not involve sialic acids [In Process Citation]. <i>Infect Immun.</i> 68:1964-6.		
	19	ORLANDI, P. A., SIM, B. K., CHULAY, J. D., AND HAYNES, J. D. 1990. Characterization of the 175-kilodalton erythrocyte binding antigen of <i>Plasmodium falciparum</i> . <i>Mol Biochem Parasitol.</i> 40:285-94.		
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	22	SIM, B. K. L., CHITNIS, C. E., WASNIOWSKA, K., HADLEY, T. J., MILLER, L. H., "Receptor and ligand domains for invasion of erythrocytes by <i>Plasmodium falciparum</i> . <i>Science.</i> 264:1941-1944. (1994)		
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	25	HADLEY, T.J., "Invasion of erythrocytes by malaria parasites: a cellular and molecular overview." <i>Annu Rev. Microbiol.</i> (1986);40:451-77.		

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